

RECEIVED

SEP 05 2002

TECH CENTER 1600/2900



1600

RAW SEQUENCE LISTING

DATE: 08/29/2002

PATENT APPLICATION: US/09/636,185

TIME: 13:46:41

Input Set : A:\GER-100XC1.ST25.txt

Output Set: N:\CRF3\08292002\I636185.raw

ENTERED

3 <110> APPLICANT: Gerber, John F
 4 White, James H
 6 <120> TITLE OF INVENTION: Materials and Methods For The Efficient Production Of
 Pasteuria
 8 <130> FILE REFERENCE: GER-100XC1
 10 <140> CURRENT APPLICATION NUMBER: US 09/636,185
 11 <141> CURRENT FILING DATE: 2000-08-10
 13 <150> PRIOR APPLICATION NUMBER: US 60/148,154
 14 <151> PRIOR FILING DATE: 1999-08-10
 16 <160> NUMBER OF SEQ ID NOS: 1
 18 <170> SOFTWARE: PatentIn version 3.1
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 1455
 22 <212> TYPE: DNA
 23 <213> ORGANISM: Unknown
 25 <220> FEATURE:
 26 <223> OTHER INFORMATION: Helper Factor DNA is not Pasteuria but has 98% homology with
 27 Enterobacter cloacae and Pantoea ssp. and others.
 29 <220> FEATURE:
 30 <221> NAME/KEY: misc_feature
 31 <222> LOCATION: (99)..(99)
 32 <223> OTHER INFORMATION: n = a, c, g, or t.
 35 <220> FEATURE:
 36 <221> NAME/KEY: misc_feature
 37 <222> LOCATION: (102)..(102)
 38 <223> OTHER INFORMATION: n = a, c, g, or t.
 41 <400> SEQUENCE: 1
 42 ggcaaggccta acacatgcac togagcggca gccgaaagta gcttgcact ttgcggcgca 60
 W--> 44 gcggcgacg ggtgagtaat gtctgggaaa ctacctgang gntggggatc actactggaa 120
 46 acagtgtgcta ataccgcata acgtctcaag accaaagagg gggacottcg ggctctttgc 180
 48 catcagatgt gccagatgg gattagctag taggtgggt aacggctcac ctaggcgacg 240
 50 atccctagct ggtctgagag gatgaccagc cacactggaa ctgagacaag gtccagactc 300
 52 ctacgggagg cagcagtgg gaatatgtca caatgggcg aagcctgatg cagccatgcc 360
 54 gctgttatga agaaggcctt cgggtttgtaa agtactttca gcggggagga aggcgttgag 420
 56 gttaataacc tcagcgattg acgttaaccg cagaagaagc accggctaac tccgtgccag 480
 58 cagcgcgggt aatacggagg gtgcaagcgt taatcggaat tactgggcgt aaagcgcaag 540
 60 cagcgggtct gtcaagtgg atgtgaaatc cccgggctca acctgggaac tgcattcgaa 600
 62 actggcaggg tagagtcttg tagaggggg tagaattcca ggtgtagcgg tgaattgcgt 660
 64 agagatctgg aggaataacc gtggcggaagg cggccccctg gacaaagact gacgctcagg 720
 66 tgggaaagcg tggggagcaa acaggattag atacctggt agtccacgac gtaaacgatg 780
 68 tcgaattgga ggttgtgcgc ttgaggcgtg gcttcggag ctlaacgcgt aagtcgacgg 840
 70 cctggggagt acggcgcaa ggttaaaact caaatgaatt gacgggggac cgcacaagcg 900
 72 gtgagcatg tggtttaatt cgatgcaacg cgaagaacct tacctactct tgacatccag 960
 74 agaactttcc agagatggat tgggtgccttc gggaaactct agacaggtgc tgcattgctg 1020

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/636,185

DATE: 08/29/2002

TIME: 13:46:41

Input Set : A:\GER-100XC1.ST25.txt

Output Set: N:\CRF3\08292002\I636185.raw

```
76 tcgtcagctc gtgttgtagaa atgttgggtt aagtcctcgca acgagcgcaa cccttatacct 1080
78 ttgttgccag cggttaggcc gggaaactcaa aggagactgc cagtgataaa ctggaggaag 1140
80 gtqqqqatga cgtcaaqtca tcatqqccct tacqaqtaq qctacacacq tqctacaatq 1200
82 gcgcatacaa agagaagcga cctcgcgaga gcaagcggac ctcataaagt gcgtcgtagt 1260
84 ccggattgga gtctgcaact cgactccatg aagtcggaat cgctagtaat cgtagatcag 1320
86 aatgctacgg tgaatacgtt cccgggcctt gtacacaccg cccgtaaggg cgaattctgc 1380
88 agatatccat cacactggcg gccgctcgag cagcatctag agggcccaat tcgccctata 1440
90 gtgagtcgta ttaca 1455
```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/636,185

DATE: 08/29/2002
TIME: 13:46:42

Input Set : A:\GER-100XC1.ST25.txt
Output Set: N:\CRF3\08292002\I636185.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 99,102

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/636,185

DATE: 08/29/2002

TIME: 13:46:42

Input Set : A:\GER-100XC1.ST25.txt

Output Set: N:\CRF3\08292002\I636185.raw

L:44 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:60